

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 5
2. AMENDMENT/MODIFICATION NO. P00055	3. EFFECTIVE DATE 25 Jan 01	4. REQUISITION/PURCHASE REQ. NO. F50LGP10110200	5. PROJECT NO. (If applicable)
6. ISSUED BY CODE	7. ADMINISTERED BY (If other than Item 6) CODE		
45 CONS/LGCZL 14640 Hangar Road, E&L Bldg/CCAS Patrick AFB FL, FL 32925-2206			
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Sverdrup Technology, Inc. 600 William Northern Blvd Tullahoma, TN 37388		(x)	9A. AMENDMENT OF SOLICITATION NO.
			9B. DATED (SEE ITEM 11)
			10A. MODIFICATION OF CONTRACT/ORDER NO. F08650-98-C-0035
		X	10B. DATED (SEE ITEM 13) 23 April 1998
CODE 1EMB6	FACILITY CODE		

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

[] The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers [] is extended, [] is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning ____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

SEE SECTION G

Net Increase \$1,271,727.00

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X	D. OTHER (Specify type of modification and authority) PER MUTUAL AGREEMENT OF THE PARTIES & FAR 52.232-18, entitled "Availability of Funds" (Apr 84)

E. IMPORTANT: Contractor [] is not, [X] is required to sign this document and return One copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

SEE SCHEDULE

POC: PAM NAPOLETANO

Phone: 494-9965

Email: pamela.napoletano@patrick.af.mil

MAILING DATE:

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print) Kenneth W. Webb, Contracts Manager		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) John M. Hammerling	
15B. CONTRACTOR/OFFEROR <i>Kenneth W. Webb</i> (Signature of person authorized to sign)	15C. DATE SIGNED 12 Feb 01	16B. UNITED STATES OF AMERICA <i>John M. Hammerling</i> (Signature of Contracting Officer)	16C. DATE SIGNED 14 Feb 01

NSN 7540-01-152-8070

PREVIOUS EDITION UNUSABLE

30-105

STANDARD FORM 30 (Rev. 10-83)

Prescribed by GSA
FAR (48 CFR) 53.243

CONTINUATION OF SF-30

1. The purpose of this supplemental agreement is to:

- A. Correct administrative errors to the contract
- B. Fully fund CLIN 0016 to \$29,958,047, a net increase of \$1,156,115.
- C. Fully fund CLIN 0019 to 3,307,780, a net increase of \$115,612.

2. SUMMARY OF CHANGES -- "SUMMARY OF CHANGES FOR THE PAYMENT OFFICE"

A. SF 33 Block 20 – (Pen and ink change):

<u>Changed From</u>	<u>Changed to</u>	<u>Net Change</u>
\$133,493,739	\$134,765,466	\$1,271,727

B. Part I – Schedule, Section B:

- 1. Page 8a of 65:
Change CLIN0015BM to read "ECP L98-159"
- 2. Page 9 of 65:
Change CLIN 0019AA to read 1 Oct 00 thru 28 Feb 01
- 3. Page 11 of 65:
Change 0024AA to read 1 Oct 01 through 28 Feb 02
Change 0024AB to read 1 Mar 02 through 31 Aug 02
Change 0024AC to read 1 Sep 02 through 30 Sep 02
- 4. Page 13 of 65:
Change 0029AA to read 1 Oct 02 through 28 Feb 03
Change 0029AB to read 1 Mar 03 through 31 Aug 03
Change 0029 AC to read 1 Sep 03 through 30 Sep 03
- 5. Page 15 of 65:
Change 0034AA to read 1 Oct 03 through 28 Feb 04
Change 0034AB to read 1 Mar 04 through 31 Aug 04
Change 0034AC to read 1 Sep 04 through 30 Sep 04

C. Part I – Section G

a. Page 23c of 65, add the following ACRN for FY 01:

- 1) ACRN DF – 5713400 301 83LE 253099 010000 555L0 35182F 662400 F62400
PR# - F50LGP10110200 = (P00055)

b. Page 25, paragraph C, AFSPCFARS 5352.232-9500, " Total Sum Allotted" CLINS, amounts, and dates are changed to blanks as with the addition of the A-76 funding the contract is now fully funded to the estimate.

D. Change page 2, modification P00044, paragraph 1(A)(5) Replace Vacuum Pumps on SPIF Particle Counters to read "(WO# 41673)- \$14,672 (\$13,338 in costs and \$1,334 in award fee).

E. Change page 2, modification P00048, paragraph 1(A)3 to read "L99-024 - \$14,022 (\$12,747 in costs and \$1275 in fixed fee)

F. Change page 2, modification P00048, paragraph 1(A)2 to read "L99-065 - \$10,687 (\$9,715 in costs and \$972 in fixed fee)

G. Change page 2, modification P00049, paragraph 1(A)3 to read "WO# 47563 - \$5,291 (\$4,810 in costs and \$481 in fixed fee)

H. Change page 2, modification P00049, paragraph 1(A)(9) to read "L98-159 - \$68,608 (\$62,371 in costs and \$6,237 in fixed fee)

I. Statement of Work:

1. Correct Volume 2 Table of Contents, page i to include paragraph 3.1.6 Integrated Resource Management, page 22.

2. Delete existing page xi which is blank and change existing page xii to read page xi.

J. Appendix A – Spacecraft/Launch Service Systems:

1. Add missing wording that was inadvertently deleted from the Low Voltage paragraph at page A-2.

2. Correct figure A-2-1, Spacecraft Critical Facilities Database, page A-6 to delete references to Generator building, Facility 31716 and Interim Hardware Storage Facilities, Facility 34715 that were inadvertently added back in modification P00047.

K.. Appendix J – Ordnance Service

1. Delete existing page J-3 which is blank.

L. Appendix K – Accessible Data Products Lists

1. Add ADP No. 067 requirement for Safety Requirements Document

2. As a result of the above referenced changes, remove the contract pages listed under Column I and insert the revised pages under Column II. (Areas of change are annotated by a vertical line in the right margin)

Column I (Remove)

Page's 8a, 9, 11, 13, and 15
Page 23c
Page i
Page xi
Page xii
Page A-2
Appendix A-6
Appendix J-3

Column II (Insert)

Revised Page's 8a, 9, 11, 13, and 15
Revised Page 23c
Revised Page i
Revised Page xi
Revised Page xii
Revised Page A-2
Revised Appendix A-6

Appendix K-47

3. All other terms and conditions remain the same.

In consideration of this modification agreed to herein as complete equitable adjustment for this change, the contractor hereby releases the government from any and all liability under this contract for further equitable adjustments attributable to this change.

////////////////////////////////////// END PAGE //

SECTION B - SUPPLIES OR SERVICES AND PRICES/COST (cont'd)**Launch Operations and Support Contract****Option Period 2 - FY 00 (1 Oct 99 - 30 Sep 00)**

0015BD	ECP L00-009	\$	103,501	
0015BE	ECP L00-031	\$	8,232	
0015BF	ECP L047563	\$	5,291	
0015BG	ECP L99-150	\$	4,027	
0015BH	ECP L00-024	\$	8,511	
0015BJ	ECP L00-025	\$	7,932	
0015BK	ECP L99-170	\$	12,908	
0015BL	ECP L99-200	\$	10,285	
0015BM	ECP L98-159	\$	68,608	
0015BN	ECP L99-029	\$	175,118	
0015BO	ECP L00-048	\$	9,819	
ESTIMATED COSTS (CLINS 0011 – 0013)				\$ 36,637,093
AWARD FEE (CLIN 0014)				\$ 3,462,962
ESTIMATED COST (CLIN 0015)				\$ 2,907,944
ESTIMATED TOTAL FOR ALLCLINS (FY00)				\$ 43,007,999

SECTION B - SUPPLIES OR SERVICES AND PRICES/COST (cont'd)

**Launch Operations and Support Contract
Option Period 3 - FY 01 (1 Oct 00 - 30 Sep 01)**

<u>Item No.</u>	<u>Description</u>	<u>Estimated Cost</u>
0016	Operations and Maintenance, Operations and Support and Operations and Management The contractor shall furnish all necessary supplies and services required to perform program and business management, cost reporting and segregation, environmental, industrial security, technical data, safety, exercises, training and other related items as required by launch program in accordance with the Statement of Work for the LO&SC, dated <u>April 1998</u> , and the performance standards document. <u>COST-PLUS-AWARD-FEE</u> <div> <div>From</div> <div>Change</div> <div>To</div> </div> Est. Cost \$ 28,941,020 \$ 1,017,027 \$ 29,958,047	\$ 29,958,047
0017	Systems Management The contractor shall furnish all necessary supplies and services required to perform systems engineering, safety engineering, logistics support analysis, configuration management, procedure development, and studies in accordance with the Statement of Work for the LO&SC, dated <u>April 1998</u> , and the performance standards document. <u>COST-PLUS-AWARD-FEE</u> <div> <div>From</div> <div>Change</div> <div>To</div> </div> Est. Cost \$ 3,119,737 \$ - \$ 3,119,737	\$ 3,119,737
0018	Data The contractor shall furnish all necessary supplies and services required to deliver data as set forth in the Accessible Data Products Lists, and Appendix K of the Statement of Work. <u>COST-PLUS-AWARD-FEE</u>	NSP
0019	Award Fee Pool (In accordance with Award Fee Plan)	
0019AA	Award Fee Pool (1 Oct 00 through 28 Feb 01) <div> <div>From</div> <div>Change</div> <div>To</div> </div> Est. Cost \$ 1,335,869 \$ 42,371 \$ 1,378,240	\$ 1,378,240
0019AB	Award Fee Pool (1 Mar 01 through 31 Aug 01) <div> <div>From</div> <div>Change</div> <div>To</div> </div> Est. Cost \$ 1,603,036 \$ 50,856 \$ 1,653,892	\$ 1,653,892
0019AC	Award Fee Pool (1 Sep 01 through 30 Sep 01) <div> <div>From</div> <div>Change</div> <div>To</div> </div> Est. Cost \$ 267,172 \$ 8,476 \$ 275,648	\$ 275,648
	TOTAL PROPOSED AWARD FEE	\$ 3,307,780

SECTION B - SUPPLIES OR SERVICES AND PRICES/COST (cont'd)

**Launch Operations and Support Contract
Option Period 4 - FY 02 (1 Oct 01 - 30 Sep 02)**

<u>Item No.</u>	<u>Description</u>	<u>Estimated Cost</u>
0021	Operations and Maintenance, Operations and Support and Operations and Management The contractor shall furnish all necessary supplies and services required to perform program and business management, cost reporting and segregation, environmental, industrial security, technical data, safety, exercises, training and other related items as required by launch program in accordance with the Statement of Work for the LO&SC, dated <u>April 1998</u> , and the performance standards document. <u>COST-PLUS-AWARD-FEE</u> <div> <div>From</div> <div>Change</div> <div>To</div> </div> Est. Cost \$ 28,178,859 \$ 863,009 \$ 29,041,868	\$ 29,041,868
0022	Systems Management The contractor shall furnish all necessary supplies and services required to perform systems engineering, safety engineering, logistics support analysis, configuration management, procedure development, and studies in accordance with the Statement of Work for the LO&SC, dated <u>April 1998</u> , and the performance standards document. <u>COST-PLUS-AWARD-FEE</u> <div> <div>From</div> <div>Change</div> <div>To</div> </div> Est. Cost \$ 2,932,461 \$ - \$ 2,932,461	\$ 2,932,461
0023	Data The contractor shall furnish all necessary supplies and services required to deliver data as set forth in the Accessible Data Products Lists, and Appendix K of the Statement of Work. <u>COST-PLUS-AWARD-FEE</u>	NSP
0024	Award Fee Pool (In accordance with Award Fee Plan)	
0024AA	Award Fee Pool (1 Oct 01 through 28 Feb 02) <div> <div>From</div> <div>Change</div> <div>To</div> </div> Est. Cost \$ 1,296,310 \$ 35,960 \$ 1,332,270	\$ 1,332,270
0024AB	Award Fee Pool (1 Mar 02 through 31 Aug 02) <div> <div>From</div> <div>Change</div> <div>To</div> </div> Est. Cost \$ 1,555,563 \$ 43,151 \$ 1,598,714	\$ 1,598,714
0024AC	Award Fee Pool (1 Sep 02 through 30 Sep 02) <div> <div>From</div> <div>Change</div> <div>To</div> </div> Est. Cost \$ 259,260 \$ 7,190 \$ 266,450	\$ 266,450
	TOTAL PROPOSED AWARD FEE	\$ 3,197,434

SECTION B - SUPPLIES OR SERVICES AND PRICES/COST (cont'd)

**Launch Operations and Support Contract
Option Period 5 - FY 03 (1 Oct 02 - 30 Sep 03)**

<u>Item No.</u>	<u>Description</u>	<u>Estimated Cost</u>
0026	Operations and Maintenance, Operations and Support and Operations and Management The contractor shall furnish all necessary supplies and services required to perform program and business management, cost reporting and segregation, environmental, industrial security, technical data, safety, exercises, training and other related items as required by launch program in accordance with the Statement of Work for the LO&SC, dated <u>April 1998</u> , and the performance standards document. <div style="text-align: right;"> <u>From</u> <u>Change</u> <u>To</u> Est. Cost \$ 28,320,337 \$ 657,552 \$ 28,977,889 </div>	\$ 28,977,889
0027	Systems Management The contractor shall furnish all necessary supplies and services required to perform systems engineering, safety engineering, logistics support analysis, configuration management, procedure development, and studies in accordance with the Statement of Work for the LO&SC, dated <u>April 1998</u> , and the performance standards document. <u>COST-PLUS-AWARD-FEE</u> <div style="text-align: right;"> <u>From</u> <u>Change</u> <u>To</u> Est. Cost \$ 2,653,505 \$ - \$ 2,653,505 </div>	\$ 2,653,505
0028	Data The contractor shall furnish all necessary supplies and services required to deliver data as set forth in the Accessible Data Products Lists, and Appendix K of the Statement of Work. <u>COST-PLUS-AWARD-FEE</u>	NSP
0029	Award Fee Pool (In accordance with Award Fee Plan)	
0029AA	Award Fee Pool (1 Oct 02 through 28 Feb 03) <div style="text-align: right;"> <u>From</u> <u>Change</u> <u>To</u> Est. Cost \$ 1,290,578 \$ 27,395 \$ 1,317,973 </div>	\$ 1,317,973
0029AB	Award Fee Pool (1 Mar 03 through 31 Aug 03) <div style="text-align: right;"> <u>From</u> <u>Change</u> <u>To</u> Est. Cost \$ 1,548,691 \$ 32,879 \$ 1,581,570 </div>	\$ 1,581,570
0029AC	Award Fee Pool (1 Sep 03 through 30 Sep 03) <div style="text-align: right;"> <u>From</u> <u>Change</u> <u>To</u> Est. Cost \$ 258,114 \$ 5,481 \$ 263,595 </div>	\$ 263,595
	TOTAL PROPOSED AWARD FEE	\$ 3,163,138

SECTION B - SUPPLIES OR SERVICES AND PRICES/COST (cont'd)

**Launch Operations and Support Contract
Option Period 6 - FY 04 (1 Oct 03 - 30 Sep 04)**

<u>Item No.</u>	<u>Description</u>	<u>Estimated Cost</u>
0031	Operations and Maintenance, Operations and Support and Operations and Management The contractor shall furnish all necessary supplies and services required to perform program and business management, cost reporting and segregation, environmental, industrial security, technical data, safety, exercises, training and other related items as required by launch program in accordance with the Statement of Work for the LO&SC, dated <u>April 1998</u> , and the performance standards document. <div style="text-align: right;"> <u>From</u> <u>Change</u> <u>To</u> Est. Cost \$ 26,716,211 \$ 442,919 \$ 27,159,130 </div>	\$ 27,159,130
0032	Systems Management The contractor shall furnish all necessary supplies and services required to perform systems engineering, safety engineering, logistics support analysis, configuration management, procedure development, and studies in accordance with the Statement of Work for the LO&SC, dated <u>April 1998</u> , and the performance standards document. <u>COST-PLUS-AWARD-FEE</u> <div style="text-align: right;"> <u>From</u> <u>Change</u> <u>To</u> Est. Cost \$ 2,776,250 \$ - \$ 2,776,250 </div>	\$ 2,776,250
0033	Data The contractor shall furnish all necessary supplies and services required to deliver data as set forth in the Accessible Data Products Lists, and Appendix K of the Statement of Work. <u>COST-PLUS-AWARD-FEE</u>	NSP
0034	Award Fee Pool (In accordance with Award Fee Plan)	
0034AA	Award Fee Pool (1 Oct 03 through 28 Feb 04) <div style="text-align: right;"> <u>From</u> <u>Change</u> <u>To</u> Est. Cost \$ 1,228,852 \$ 18,455 \$ 1,247,307 </div>	\$ 1,247,307
0034AB	Award Fee Pool (1 Mar 04 through 31 Aug 04) <div style="text-align: right;"> <u>From</u> <u>Change</u> <u>To</u> Est. Cost \$ 1,474,624 \$ 22,146 \$ 1,496,770 </div>	\$ 1,496,770
0034AC	Award Fee Pool (1 Sep 04 through 30 Sep 04) <div style="text-align: right;"> <u>From</u> <u>Change</u> <u>To</u> Est. Cost \$ 245,770 \$ 3,691 \$ 249,461 </div>	\$ 249,461
	TOTAL PROPOSED AWARD FEE	\$ 2,993,538

SECTION G - CONTRACT ADMINISTRATION DATA (cont'd)

ACRN	Acct Class Data	Appropriation/Lmt SubHead/CPN Recip DODAAD Supplement Accounting Classification Information	OBLIGATED AMOUNT
DA	5713400 301 83LE 253099 010000 555L0 35182F 662400 F62400 PR# - F50LGP02000200 = \$6,797,000 (P00054)		\$ 6,797,000
DB	5713400 301 83LE 25309A 010000 555L0 35119F 662400 F62400 PR# - F50LGP02000200 = \$2,145,000 (P00054)		\$ 2,145,000
DC	5713400 301 83LE 25309D 010000 555L0 35119F 662400 F62400 PR# - F50LGP02000200 = \$4,348,000 (P00054)		\$ 4,348,000
DD	5713400 301 83LE 25309S 010000 555L0 33605F 662400 F62400 PR# - F50LGP02000200 = \$1,623,000 (P00054)		\$ 1,623,000
DE	5713400 301 83LE 25309T 010000 555L0 35144F 662400 F62400 PR# - F50LGP02000200 = \$23,962,200 (P00054)		\$ 23,962,200
DF	5713400 301 83LE 253099 010000 555L0 35182F 662400 F62400 PR# - F50LGP10110200 = \$1,271,727 (P00055)		\$ 1,271,727

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Acronyms

(concluded)

LSF	Launch Support Facility
LSIC	Launch Systems Integration Contract
MAN	Metropolitan Area Network
MIS	Missile Inert Storage
MLV III	Medium Launch Vehicle III
MOCC	Maintenance and Operations Coordination Center
MPICD	Mission Peculiar Interface Control Document
MST	Mobile Service Tower
NPF	NAVSTAR Processing Facility
NSSF	NAVSTAR Satellite Storage Facility
O&M	Operations and Maintenance
OD	Operational Directive
OI	Operational Instruction
OR	Operational Requirements
OSHA	Occupational Safety and Health Administration
PCF	Propellant Conditioning Facility
PI	Program Introduction
PLFCB	Payload Fairing Cleaning Building
PRD	<i>Program Requirement Documents</i>
PSC	Payload Support Contract
PSF	Propellant Servicing Facility
RCM	Reliability Centered Maintenance
RIS	Receipt-Inspection Shop
ROCC	Range Operations Control Center
RSA	Range Standardization and Automation
RWS	Representative Work Statement
SAB	Satellite Assembly Building
SBSS	Standard Base Supply System
SEMP	Systems Engineering Master Plan
SLC	Space Launch Complex
SLFM	Space Launch Facilities Manuals
SLS	Space Launch Squadron
SMAB	Solid Motor Assembly Building
SMARF	Solid Motor Assembly and Receiving Facility
SPIF	Spacecraft Processing and Integration Facility
SRS	Segment Ready Storage Building
STS	Space Transportation System
SW	Space Wing
UDS	Universal Documentation System
VIB	Vertical Integration Building
VRC	Visitor Records Center
WIMS	Work Information Management System

- **Low Voltage** – UPS, IPS, automatic or manual, back-up diesel generators, where dedicated, and all associated circuits including electrical/motor backup generator's and associated hook-up points. All components from, and including, the low voltage connector of the power transformer includes: the bus bar, all circuits, switch gears, and outlets supplying power throughout the facility, internal/external bulbs, fixtures, and ballast's emergency lighting. Interface point is first facility main disconnect which is 480V or lower (includes the disconnect).

Environmental

- **Cleanroom** – Monitoring, detection, and reporting systems for particulate matter and non-volatile residue; also includes: walls, floor, ceiling, air shower assemblies, all clean-room garments, shoe cleaners, floor vacuums, and floor.
- **Fire Protection** – Suppression and detection. Includes piping, interior alarm wiring, valves, nozzles, software controls, detectors, warning, and all associated hardware. Interface point for a wet system, is cut-off valve prior to the riser and includes the valve.
- **HVAC** – HVAC (Heating, Ventilating, and Air Conditioning) includes: software, air handlers, motors, drive assemblies, chillers, compressors, cooling towers, boilers, humidifier/dehumidifier, air exhaust, purge fans, associated pneumatic and electronic monitor and control components, and all associated support equipment.
- **Oxygen Hazard Monitoring** – Detection and reporting systems for Oxygen depletion.
- **Propellant Vapor Detection** – Detection and reporting systems for propellant vapors.

Equipment

- **Cold Soak** – Operation and maintenance of Cold-Soak equipment.
- **Facility Control Monitoring Systems** – Operation and maintenance of all facility control monitoring systems. Includes all cabling, consoles, and associated equipment.
- **Online Lightning Monitoring System** – Sensors, wiring, conduit, portable and installed monitoring devices (workstations). Start date is 1 Oct 00.
- **Railroad** – All railroad tracks and subsurface below tracks, locomotives (Not required for period of 1 Apr 98-30 Sep 00), flat rail cars, rail ties, rail splices, track switches, etc. (Includes rails inside facilities, as well as outdoor.)
- **Security Alarm System** – Operation and maintenance of security alarm system and all associated equipment. (This is not the Advanced Technology Electronic Security System.)
- **X-Ray** – Operation and maintenance of all X-ray equipment.

Fluid and Gas

- **Breathing Air** – Breathing Air from, and including, the tube bank connector to, and including, the facility-installed breathing air connector.
- **Compressed System Air** – Compressed System Air from, and including, the compressor intake to, and including, the facility installed connectors.
- **Fuel** – Includes fuel fill, vent, drain, and scrubbers.
- **Gaseous CO2 System** – Includes dewar, piping, dry ice generation, etc.
- **Gaseous Helium System** – Gaseous Helium from, and including, the tube bank connector to, and including, the facility-installed interface.
- **Gaseous Nitrogen** – From and including installed pressure vessels, the tube bank connector or designated control valve to, and including, the facility-installed interface.

Figure A-2-1 Spacecraft Critical Facilities Database (continued)

Generator Building – Facility 34716- Deleted		
System	Sub-system	Notes
Communication	Public Address System	Deleted
Communication	TOPS/Digital Voice	Deleted
Communication	Telephone/LAN wiring	Deleted
Electrical	Low Voltage	Deleted
Electrical	Grounding	Deleted
Environmental	HVAC	Deleted
Environmental	Fire Protection	Deleted
Structure	Special Purpose Doors	Deleted
Structure	Basic Structure	Deleted
Water	Sanitary Sewer	Deleted
Water	Potable Water	Deleted
Interim Hardware Storage Facility – Facility 34715-Deleted		
System	Sub-system	Notes
Communication	TOPS/Digital Voice	Deleted
Communication	Telephone/LAN wiring	Deleted
Communication	Public Address System	Deleted
Electrical	Low Voltage	Deleted
Electrical	Grounding	Deleted
Environmental	HVAC	Deleted
Environmental	Fire Protection	Deleted
Structure	Special Purpose Doors	Deleted
Structure	Basic Structure	Deleted
Water	Sanitary Sewer	Deleted
Water	Potable Water	Deleted
Launch Support Facility – Facility 1777		
System	Sub-system	Notes
Communication	Public Address System	
Communication	Telephone/LAN wiring	
Communication	TOPS/Digital Voice	
Communication	Wide band Transmission	
Communication	RF Transmission	
Communication	Narrow band Transmission	
Electrical	Grounding	
Electrical	Low Voltage	
Environmental	Fire Protection	
Environmental	HVAC	
Equipment	Facility Control Monitoring Systems	
Equipment	Security Alarm System	
Structure	Basic Structure	
Water	Potable Water	
Water	Sanitary Sewer	

* Not a requirement for Option Period 2 (FY 00)

LO&SC ACCESSIBLE DATA PRODUCT DESCRIPTION					
ADP No:	067	OPR/IPT:	Safety	Revision Date	
Product Name LO&SC (CCG) Safety Requirements Document					
Source:			Basic Program Resp:		
Contract No:			SOW No: 3.1 2-2.1, 3.2.4		
WBS No: 2.4		WBS Subtask No: 2.4		CLIN: 0002	
Customer Accessibility Criteria:			Accessible when available (use EWR 127-1 until available), updated as required TO: Safety, SM		
Scope:					
Content:		Reference:			
Format:		Contractor format acceptable			
Guidance Documents:		EWR 127-1			
Remarks		The LO&SC will develop a Safety Requirements Document (SRD) that is equivalent to a tailored EWR 127-1 for this contract. The SRD is the program document for safety compliance on the LO&SC. The SRD is specific to the LO&SC scope of work and incorporates industry best practices.			

ATTACHMENT 7
SUBCONTRACTING PLAN
REVISION 1
DATED 25 JAN 01

Modification P00055
Contract F08650-98-C0035

D – Small Business Subcontracting Plan

1.0 Introduction

It is Sverdrup's policy to fully support and exceed the Government's policy of providing a maximum number of business opportunities for small business (SB), small disadvantaged business (SDB), and Women-Owned Small Business (WOSB). This plan is structured to ensure compliance FAR 52.219-9.

Initial planning actions included a review of the CCG Launch Operations & Support Contract historical subcontracting and purchasing costs which were used to derive an estimated future spending for the LO&SC. Sverdrup will execute the LO&SC through an autonomous organizational segment - the Cape Canaveral Group – dedicated solely to the LO&SC. As a part of establishing the Cape Canaveral Group, Sverdrup has consummated a primary subcontractor teaming agreement with AJT & Associates, Inc., of Cape Canaveral. AJT is a Hispanic-owned SDB 8(a) company. We have also pre-qualified other subcontractors to support us in accomplishing the LO&SC effort. These include **Redacted**

Redacted

3.0 Description of Services to be Subcontracted

3.1 Labor

AJT & Associates, Inc. – AJT is a SDB who will perform a significant portion of our **Redacted**, as they provide high-tech engineering in support of systems engineering requirements.

Redacted This is contingent upon AJT remaining a qualified, SDB. The identified services AJT will perform on the LO&SC are:

	SOW ¶
• System Engineering Support	3.2.1, 3.2.6
• Environmental Support	3.1.1.4.3; 3.6.5
• Access Control	3.3.2.4
• Operational Training & Badging and Visitor Record Center	3.6.3; 3.6.4
• Service Systems Upgrades & Modifications	3.2.7
Modus Operandi. – A SB firm located in Indiatlantic, FL, they will provide critical software support for our information technology systems.	3.1.6
Interim Personnel – A WOSB located in Cape Canaveral, FL, they will provide temporary administrative and technical support to our contract on an as-needed basis for surges and specialty needs.	3.1, 3.2
Catambay Diversified Services, Inc. (CDS) – A SB firm located in Cape Canaveral, FL, they will provide engineering personnel during the baselining documentation effort early in the contract. They are currently providing similar effort to United Space Alliance. Additional tasks, not yet identified, will be outsourced to CDS in Option Periods three-six. These tasks will be identified as part of the Mentor-Protégé Program between Sverdrup and CDS. An additional four equivalent personnel is estimated in this subcontractor plan for these periods.	3.1, 3.2.2

To assist us in identifying SB/SDB/WOSB suppliers, Sverdrup will use the National Minority Supplier Development Council (NMSDC) of which we are a member. Terri Pinkelton, SvT Contract Administrator was selected as the NMSDC 1999 Space Coast Chapter Coordinator of the Year. NMSDC is one of the country's leading business membership organizations that provide minority businesses for procurement and business opportunities. The NMSDC network has over 15,000 minority-owned businesses that it uses to match with member corporations that want to purchase goods and services. Their current Minority Business Enterprise (MBE) in central Florida has over 200 minority businesses, and we will use NMSDC's matching services to identify suppliers. Sverdrup has also joined the Brevard Small Business Advisory Council which further reinforces our commitment to small businesses in the local community and we anticipate this will assist us in achieving our small business goals.

Sverdrup will also use ProNet databases to assist locating vendor sources.

Sverdrup intends to institute a policy stating that at least 30% of the purchases made that are between \$2,500 and \$10,000 will be set-aside for small businesses.

Redacted

Figure D-3 Potential CLIN 0005 Subcontractors to AJT		
General Contractors		
Aedile Contractors, Inc. (WOSB) 8860 Astronaut Blvd., Suite 208 Cape Canaveral, FL 32920 POC: Robbie Minton & Art Burger	Canaveral Construction (SB) P.O. Box 6(407)452 Titusville, FL 32782-6452 POC: Art Lloyd & David Nash	
Heard Construction, Inc. (SB) P.O. Box 540218 95 East Hall Road, 32953 Merritt Island, FL 32954 POC: Sam Heard	M.H. Kelley Building Contractor, Inc. (SB) 2362 Westminster Drive Cocoa, FL 32926 POC: Mike Kelley	
Priority 1 Construction of Brevard, Inc. (SB) 1707 South Washington Avenue Titusville, FL 32780 POC: Gary Neth	Oneida Construction (SB) 3955 Grand Line Road Mims, FL 32754 POC: Robert Porter, Jr.	
Sandent Construction Corporation (WOSB) 1800 South Atlantic Avenue Cocoa Beach, FL 32931 POC: Jim Lent	Sunshine Construction & Engineering, Inc. (SDB) 620 Atlantis Road Melbourne, FL 32904-2315 POC: Ernie Walters & David Dowling	
Mechanical Contractors		
Britt's Air Conditioning, Heating (SB) 655 Childre Avenue Titusville, FL 32796-5119 POC: Dan Britt	Florida Mechanical & Air Conditioning (SB) P.O. Box 677518 Orlando, FL 32867 POC: Bob Kelley	Merritt Island Air & Heat, Inc. (SB) 625 Cypress Street Merritt Island, FL 32952 POC: Larry Richards
Electrical Contractors		
Florida Industrial Electric, Inc. (SB) P.O. Box 522730 811 Wilma Street Longwood, FL 32750 POC: Steve Ward	Woodson & Associates, Inc. (SB) 2189 North U.S. #1 Titusville, FL 32796-3908 POC: Ty Cobb	
Roofing Contractors		
Atlantic Roofing of Vero Beach, Inc. (SB) 1100 Old Dixie Highway Vero Beach, FL 32960-4361 POC: Steve Lasky	CEI Florida, Inc. (SB) 907 South Highway 17-92 Debary, FL 32713 POC: Dawn Cummings	National Roofing/South Florida, Inc. (SB) 3270 Suntree Blvd. Melbourne, FL 32940 POC: Herb Corbett

- **Central Florida Buildings and Construction Trade Agreement** – AJT will use the current agreement Sverdrup has established with the Trades Council for Davis-Bacon personnel.
- **Small Business Contractors** – SB contractors who have been pre-qualified by AJT will be solicited to compete for projects. These subcontracts will be procured based upon competitive RFPs to allow selection based on best overall value. SDBs and WOSBs will be asked to participate in competitive set-aside acquisitions. The contractors listed in Figure D-3 have been employed by or are known to AJT and have solid reputations for quality and reliability.

4.0 Small Business Qualitative Initiatives

Sverdrup's qualitative initiatives in our Small Business Subcontracting Plan are summarized here:

Diversity – Our objective for LO&SC was to obtain a very diversified group of subcontractors performing work across all high-, medium-, and low-tech areas, with a bias to the high-tech end. This goal has been achieved with the selection of:

High Tech

Medium- and Low-Tech

Redacted

Redacted

6.0 Indirect Costs

No Sverdrup indirect or overhead costs are included in these goals.

7.0 Subcontract Administrator

Sverdrup's Cape Canaveral Group Contract Manager, Ken Webb, will be responsible for the overall small business subcontracting program and goals for LO&SC. The Contract Manager, has appointed a primary and alternate Small Business Liaison Officer to ensure appropriate attention

is focused on the SB, SDB, and WOSB subcontracting concerns; duties will include the following:

- Oversee compliance with this plan
- Perform monthly reviews to measure performance against the plan, reporting this status to the LO&SC General Manager, the LO&SC PCO, and SvT's corporate management
- Prepare and submit periodic reports concerning the status of the plan to the LO&SC PCO
- Solicit subcontract proposals and negotiate, prepare, and administer subcontracts
- Maintain records of subcontracting opportunities

8.0 Description of Efforts

Subcontracting Policy – Sverdrup Technology does not maintain a Master Subcontracting Plan. Instead we write individual plans for each of our organizational segments (Groups). The company-wide policy statement is shown in Attachment 1.

Redacted

10.0 Cooperation with Studies and Surveys

Sverdrup will cooperate with all studies and/or surveys that may be required and will submit the following as required:

- Periodic reports/reviews which will allow the Government to evaluate the extent of compliance by the Sverdrup Cape Canaveral Group with this subcontracting plan
- Standard Form 294, "Subcontracting Report for Individual Contracts," and/or Standard Form 295, "Summary Subcontracting Report," to be submitted as required.

11.0 Records and Reporting

Sverdrup Technology maintains central contract files at our corporate headquarters in Tullahoma, Tennessee, which contain all necessary data for Government review of SB, SDB, and WOSB

compliance efforts. These files include source lists with company size data, solicitations sought, contract award data, and other information as required by Federal Acquisition Regulations. These files can be accessed by any organization segment within Sverdrup and are available for Government review.

12.0 Conclusion

Sverdrup's approach to Small Business Subcontracting provides the Government with a roster of qualified subcontractors who will not only bring the best value to the LO&SC, but come from a very diversified background. We have selected Hispanic-American, Woman-Owned, African-American, Asian-American, and small businesses. Subcontractor selection was based on demonstrated past performance and all of the selected subcontractors are experienced in Brevard County. These subcontractors will perform work across a spectrum of high, medium, and low-tech, with the majority of the work targeted for high-tech services.